DOCUMENT RESUME

ED 395 759 SE 057 762

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TITLE Low Budget Biology 3: A Collection of Low Cost Labs and Activities.
PUB DATE [95]
NOTE 62p.
AVAILABLE FROM Bert and Lynn Marie Wartski, 5610 Deerfield Rd., Hillsborough, NC 27278.
PUB TYPE Guides - Classroom Use - Teaching Guides (For Teacher) (052)

EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS Anatomy; *Biology; Classification; Demonstrations (Science); Enzymes; Hands on Science; Population Growth; Science Activities; Science Experiments; Science Materials; Secondary Education

ABSTRACT

This document contains biology labs, demonstrations, and activities that use low budget materials. The goal is to get students involved in the learning process by experiencing biology. Each lab has a teacher preparation section which outlines the purpose of the lab, some basic information, a list of materials , and how to prepare the different solutions and chemicals. All the labs/activities/demonstrations were designed for 55 minute lab periods. Labs and activities include: Lactase Enzyme Lab, The Rate of Paperase Lab, Gelatin and Enzyme Activity, Protein Shape Activity, Protein Synthesis, Proteins, and Mutations Activity, Simple and Small Song, Amylase Regulation in Prokaryotes, Classification Activity, Guard Cell Observation Lab, Twig Anatomy Activity, Upper Arm Model, Hormone Match Game, and Population Estimation and Growth Simulation. (JRH)

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